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Buy Now: [More choices...](#)Tools: Add to Work File: [Create new Work File](#) View: [INPADOC](#) | Jump to: [Top](#) Go to: [Derwent...](#)☐ [Email this to a friend](#)Title: **JP2002042891A2: THIN-TYPE LITHIUM SECONDARY BATTERY**Country: **JP** JapanKind: **A2** Document Laid open to Public inspection !Inventor: **KANO KOJI;**
IWAHISA MASAHIRO;
HIBINO SEIJI;Assignee: **TOSHIBA BATTERY CO LTD**
[News, Profiles, Stocks and More about this company](#)Published / Filed: **Feb. 8, 2002 / July 27, 2000**Application Number: **JP2000000227119**IPC Code: **H01M 10/40; H01M 2/16;**Priority Number: **July 27, 2000 JP2000000227119**

Abstract:

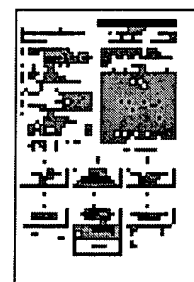
PROBLEM TO BE SOLVED: To provide a thin-type lithium secondary battery improved in the performance of a utilization factor or the like by uniformly dispersing a nonaqueous electrolyte filled in a power generating element.

SOLUTION: This thin-type lithium secondary battery is provided with the power generating element comprising a positive electrode, a negative electrode and a separator. The positive and negative electrodes and the separator contain at least the nonaqueous electrolyte and a polymer with a function of holding the electrolyte. When the power generating element is swollen containing the nonaqueous electrolyte, the area (mm²) of the power generating element/the thickness (mm) of the power generating element is 250-15,000. The nonaqueous electrolyte contains 0.01-1.0 mass% of at least one surface active agent selected out of an anionic surface active agent with a perfluoroalkyl group, and a nonionic surface active agent with a perfluoroalkyl group.

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Family: **None**Other Abstract Info: **CHEMABS 136(11)170207S CHEMABS 136(11)170207S**

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(19)

(11) Publication number: **2002042891 A**

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PATENT ABSTRACTS OF JAPAN(21) Application number: **2000227119**(51) Intl. Cl.: **H01M 10/40 H01M 2/16**(22) Application date: **27.07.00**

(30) Priority:

(43) Date of application
publication: **08.02.02**(84) Designated contracting
states:(71) Applicant: **TOSHIBA BATTERY CO LTD**(72) Inventor: **KANO KOJI**
IWAHISA MASAHIRO
HIBINO SEIJI

(74) Representative:

**(54) THIN-TYPE LITHIUM
SECONDARY BATTERY**

(57) Abstract:

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